Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of the claims in this application:

1-45 (canceled).

46 (currently amended). A composition for the removal of etch residues from integrated circuits using copper materials, which consists essentially of:

a choline compound;

water; and

an organic solvent selected from the group consisting of dimethyl sulfoxide, dimethyl acetamide, ethylene glycol, ethylene glycol alkyl ether, diethylene glycol alkyl ether, triethylene glycol alkyl ether, propylene glycol, propylene glycol alkyl ether, and N-methyl pyrrolidone, ethylene diamine, ethylene triamine, monoethanolamine, and diglycolamine.

47 (currently amended). The composition of claim 46 in which the composition consists essentially of from about 10 percent by weight to about 50 percent by weight of the choline compound; from about 10 percent by weight to about 80 percent by weight of water; and from about 20 percent by weight to about 80 percent by weight of the organic solvent.

48 (currently amended). The composition of claim 46 in which the composition additionally consists of A composition for the removal of etch residues from integrated circuits using copper materials, which consists essentially of:

a choline compound:

water:

hydroxylamine or hydroxylamine salt; and

an organic solvent selected from the group consisting of dimethyl sulfoxide, dimethyl acetamide, ethylene glycol, ethylene glycol alkyl ether, diethylene glycol alkyl ether, triethylene glycol alkyl ether, propylene glycol, propylene glycol alkyl ether, N-methyl pyrrolidone, ethylene diamine, ethylene triamine, monoethanolamine, and diglycolamine.

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action

2

49 (currently amended). The composition of claim 46 in which the composition additionally consists of A composition for the removal of etch residues from integrated circuits using copper materials, which consists essentially of:

a choline compound;

water;

an organic solvent selected from the group consisting of dimethyl sulfoxide, dimethyl acetamide, ethylene glycol, ethylene glycol alkyl ether, diethylene glycol alkyl ether, triethylene glycol alkyl ether, propylene glycol, propylene glycol alkyl ether, N-methyl pyrrolidone, ethylene diamine, ethylene triamine, monoethanolamine, and diglycolamine; and

from about four 0.5% by weight to about 5% by weight of a corrosion inhibitor selected from the group consisting of:

compounds of the general class

where X, Y, and Z, are chosen from C, N, O, S, and P; and

where pendant R groups R₁-R₅ are chosen from H, a substituted C₁-C₆ straight, branched or cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, hydroxyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, and sulfonic acid group;

salts of said compounds of the general class;

hydroxybenzene compounds of the general class

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action

where n=1-4, and

where R₆ is present from 2 to 5 times and is chosen from H, a substituted C₁-C₆ straight, branched or cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, sulfonic acid group; and salts of said hydroxybenezene compounds,

50 (new). The composition of claim 49, wherein X is nitrogen, Y is nitrogen, Z is carbon, and R_1 - R_5 are hydrogen.

51 (new). The composition of claim 49, wherein X, Y, and Z are nitrogen, R_3 is hydrogen, and R_4 and R_5 constitute a benzene ring.

52 (new). The composition of claim 49, wherein the corrosion inhibitor is selected from the group consisting of catechol, t-butyl catechol, gallic acid, and benzotriazole.

53 (new). The composition of claim 49, wherein the choline compound is choline hydroxide or a choline salt.

54 (new). The composition of claim 48, wherein the choline compound is choline hydroxide or a choline salt.

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action 55 (new). The composition of claim 46, wherein the choline compound is choline hydroxide or a choline salt.

56 (new). A composition for stripping photoresist from integrated circuits using copper materials and low k dielectric materials consisting essentially of:

a choline compound;

from about 2 to about 12% by weight of hydroxylamine or hydroxylamine salt; and water.

57 (new). The composition of claim 56, wherein the choline compound is choline hydroxide or a choline salt.

58 (new). A composition for stripping photoresist from integrated cirucits using copper materials and low k dielectric materials consisting essentially of:

a choline compound;

from about 2 to about 12% by weight of hydroxylamine or hydroxylamine salt; water; and

an organic solvent selected from the group consisting of dimethyl acetamide, dimethyl sulfoxide, propylene glycol, dipropylene glycol monomethyl ether, N-methyl pyrrolidone, and cyclohexyl pyrrolidone.

59 (new). The composition of claim 58, wherein the choline compound is choline hydroxide or a choline salt.

60 (new). A composition for the removal of etch residues from integrated circuits using copper materials and low k dielectric materials consisting essentially of:

a choline compound;

water:

from about 2 to about 12% by weight of hydroxylamine or hydroxylamine salt;

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action

5

an organic solvent selected from the group consisting of dimethyl sulfoxide, dimethyl acetamide, ethylene glycol, ethylene glycol alkyl ether, diethylene glycol alkyl ether, triethylene glycol alkyl ether, propylene glycol, propylene glycol alkyl ether, N-methyl pyrrolidone, ethylene diamine, ethylene triamine, monoethanolamine, and diglycolamine; and

from about 0.5% by weight to about 5% by weight of a corrosion inhibitor selected from the group consisting of :

compounds of the general class

where X, Y, and Z, are chosen from C, N, O, S, and P; and where pendant R groups R_1 - R_5 are chosen from H, a substituted C_1 - C_6 straight, branched or

cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, hydroxyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, and sulfonic acid group;

salts of said compounds of the general class;

hydroxybenzene compounds of the general class

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action where n=1-4, and

where R₆ is present from 2 to 5 times and is chosen from H, a substituted C₁-C₆ straight, branched or cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, sulfonic acid group; and salts of said hydroxybenezene compounds.

61 (new). The composition of claim 60, wherein X is nitrogen, Y is nitrogen, Z is carbon, and R_1 - R_5 are hydrogen.

62 (new). The composition of claim 60, wherein X, Y, and Z are nitrogen, R₃ is hydrogen, and R₄ and R₅ constitute a benzene ring.

63 (new). The composition of claim 60, wherein the corrosion inhibitor is selected from the group consisting of catechol, t-butyl catechol, gallic acid, and benzotriazole.

64 (new). The composition of claim 60, wherein the choline compound is choline hydroxide or a choline salt.

65 (new). A composition for stripping photoresist from integrated circuits using copper materials and low k dielectric materials consisting essentially of:

a choline compound;

water;

from about 2 to about 12% by weight of hydroxylamine or hydroxylamine salt; an organic solvent selected from the group consisting of dimethyl acetamide, dimethyl sulfoxide, propylene glycol, dipropylene glycol monomethyl ether, N-methyl pyrrolidone, and cyclohexyl pyrrolidone; and

from about 0.5% by weight to about 5% by weight of a corrosion inhibitor selected from the group consisting of :

compounds of the general class

1-PA/3516304.1 060937-0123 (formerly 8317-123-999) Response to Office Action

7

where X, Y, and Z, are chosen from C, N, O, S, and P; and

where pendant R groups R₁-R₅ are chosen from H, a substituted C₁-C₆ straight, branched or cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, hydroxyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, and sulfonic acid group;

salts of said compounds of the general class;

hydroxybenzene compounds of the general class

where n= 1-4, and

where R₆ is present from 2 to 5 times and is chosen from H, a substituted C₁-C₆ straight, branched or cyclo alkyl, alkenyl or alkynyl group, straight or branched alkoxy group, a substituted acyl group, straight or branched alkoxy group, amidyl group, a halogen, carboxyl group, alkoxyalkyl group, alkylamino group, alkylsulfonyl group, sulfonic acid group; and salts of said hydroxybenezene compounds.

1-PA/3516304.1 060937-0123 (formerly \$317-123-999) Response to Office Action

- 66 (new). The composition of claim 65, wherein X is nitrogen, Y is nitrogen, Z is carbon, and R_1 - R_5 are hydrogen.
- 67 (new). The composition of claim 65, wherein X, Y, and Z are nitrogen, R₃ is hydrogen, and R₄ and R₅ constitute a benzene ring.
- 68 (new). The composition of claim 65, wherein the corrosion inhibitor is selected from the group consisting of catechol, t-butyl catechol, gallic acid, and benzotriazole.
- 69 (new). The composition of claim 65, wherein the choline compound is choline hydroxide or a choline salt.
- 70 (new). A composition for the removal of etch residues from integrated circuits using copper materials and low k dielectric materials consisting essentially of:

a choline compound and

water.

- 71 (new). The composition of claim 70, wherein the choline compound is choline hydroxide or a choline salt.
- 72 (new). A composition for stripping photoresist from integrated circuits using copper materials and low k dielectric materials consisting essentially of:

a choline compound and

water.

73 (new). The composition of claim 72, wherein the choline compound is choline hydroxide or a choline salt.